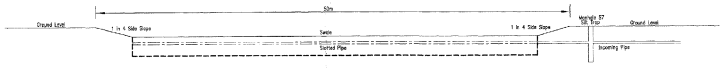
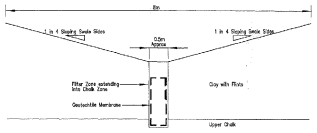
4/00920/08

0 100mm

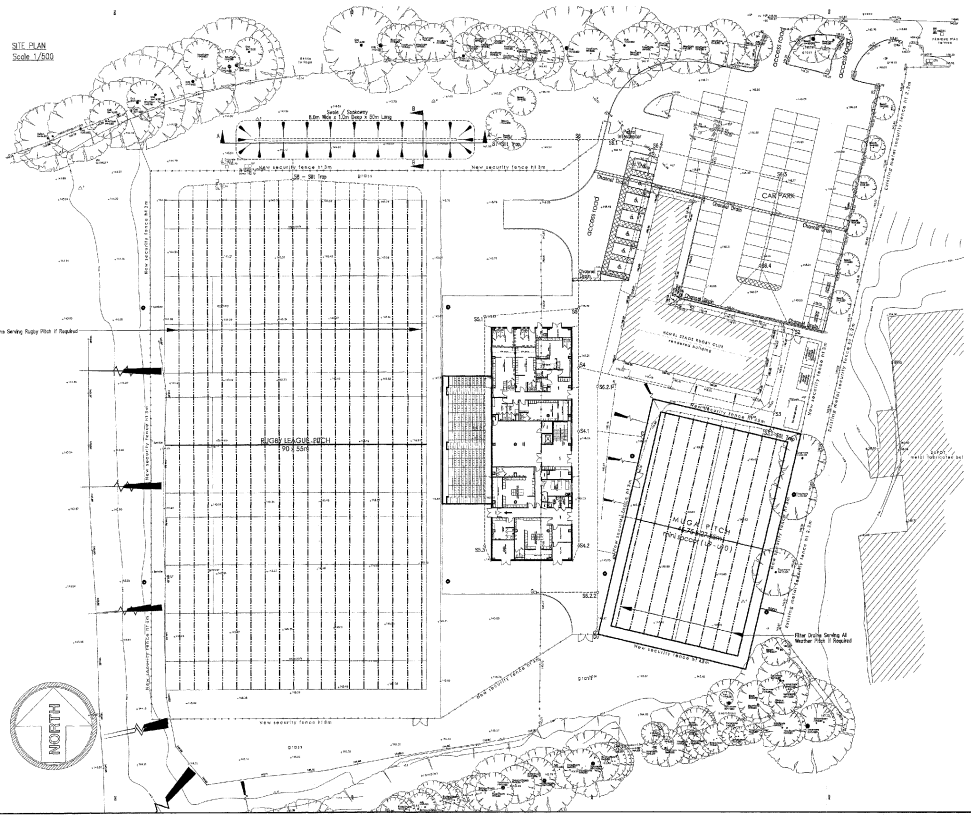
SECTION A–A
SECTION THROUGH SWALE / SOAKAWAY
Scale 1/250



SECTION B–B
SECTION THROUGH SWALE / SOAKAWAY
Scale 1/50



SITE PLAN
Scale 1/500



CDM – Residual Hazard Table.

The table below is provided to assist the Principle Contractor to fulfill his obligations under the Construction (Design & Management) Regulations 2007. It does not include residual risks that a competent contractor will be aware of nor does it absolve the Principle Contractor of his legal responsibilities.

Hazard Activity	Residual Hazard	Hazard Control
Construction of manholes and soakaways	Man entry into moderate or deep excavations	Ensure that adequate side support is provided to all excavations and that supports are proportionate to the extent or degree of access and duration of time spent below ground level. Ensure adequate personal protective equipment (PPE) is provided and worn by site staff at all times while on site and in particular while in situations where there absence may result in harm or injury.
	Holes may be left open overnight	Ensure that all areas containing open excavations are securely fenced and that residents and non-authorised personnel are prevented from entering working areas.
	Use of concrete surrounds to manholes	Ensure adequate PPE is available and in use. Care must be taken to avoid coming into contact with cement or cementitious materials.
Cutting of clay or plastic pipework	Use of cutting tools, either power or manual	Care must be taken to isolate power tools when not in use. Guards must be fitted where appropriate and should be used to protect operators and observers. PPE must be used when using any cutting tools.

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NOTES

1. This drawing is to be read in conjunction with all relevant architects, Engineers and Specialists Details and Specifications.
2. All Surface Water pipes to be 100mm diameter unless noted otherwise (U.N.O.).
3. All Foul Water pipes to be 100mm diameter unless noted otherwise (U.N.O.).
4. All pipes with more than 1200mm cover between soffit and finished surface to be Type 'B' bedding.
5. All pipes with less than 600mm cover between soffit and finished surface to be Type 'A5' bedding.
6. All pipes with between 600mm cover and 1200mm cover between soffit and finished surface in soft areas or footpaths to be Type 'B' bedding.
7. All pipes under external paved areas with less than 1200mm cover between soffit and finished surface to be Type 'A5' bedding.
8. For further details regarding swale / soakaway calculations and specifications please refer to flood risk assessment dated February 2008 (16070249_R1_DM).
9. Drainage depths to be confirmed however it is not thought that any of the drainage should exceed 1.5 metres deep
10. Filter drains shown on main rugby pitch and all weather pitch are indicative only. Confirmation of filter drain installation to be confirmed by rugby club at the time of works commencing on site.

DESCRIPTION	REV	DATE	CHKD/APPR

DRAWING STATUS

PRELIMINARY

JPA JOYNES PIKE & ASSOCIATES LTD
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CLIENT: Slick Developments Limited

PROJECT TITLE: Hemel Stags Rugby Club
Pennine Way, Hemel Hempstead

DRAWING DETAIL: Sketch Drainage Proposals
Option One

DRAWN	DM	DATE	February 2008
PROJECT ENGINEER	MHS		
CHECKED		SCALE	1:500 @ A1
APPROVED			
DRAWING NUMBER	16070249–SK1	REVISION	P1